



NC/QC/PD/MW-01/2017-18/IG-C1

Date: 22-11-2017

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).

{Project*: Construction of building for Indoor games at Sy No.33 in Mallasandra Ward No.13.}

Ref.: Material testing/PMC/17-18,

Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Technical Manager, KRIDL.

PHYSICAL TESTS ON CEMENT

Brand : Priya
Grade * : 53,
Type * : O.P.C

TABLE 1.1:

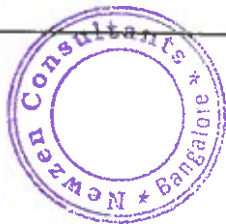
SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	153 min	Shall not be less than 30 min
2	Final setting time	259 min	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	1.97 %	Not to exceed 10.0%
4	Soundness test (by Le-Chatelier's method)	2.84 mm	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	27.88 N/Sq mm	Shall not be less than 27 N/Sqmm

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NC/QC/PD/MW-01/2017-18/IG-PCC1

Date: 22-11-2017

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for M-10 grade concrete.

{Project*: Construction of building for Indoor games at Sy No.33 in Mallasandra Ward No.13.}

Ref.: Material testing/PMC/17-18,

Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Technical Manager, KRIDL.

1. COARSE AGGRGATES Table - SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007)	
		% Passing	
	40 mm Sample	Single size	Graded
40mm	98.70	85-100	95 - 100
20mm	65.45	0 -20	30- 70
10mm	18.78	0 -5	10- 35
4.75mm	3.70	-----	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002)			Remarks
		Percentage Passing			
		Zone-I	Zone-II	Zone -III	
04.75	98.33	90-100	90-100	90-100	The Sample Conforms to Grading Zone-II
02.36	85.40	60-95	75-100	85-100	
01.18	68.39	30-70	55-90	75-100	
600. mic	42.55	15-34	35-59	60-79	
300.mic	17.10	5-20	8-30	12-40	
150.mic	8.26	0-10	0-10	0-10	

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NC/QC/PD/MW-01/2017-18/IG-SSM1

Date: 25-11-2017

1. TESTING OF STONE SAMPLE :

Sub: Testing of Size stone.

{Project*: Construction of building for Indoor games at Sy No.33 in Mallasandra Ward No.13.}

Ref.: Material testing/PMC/17-18,

Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Technical Manager, KRIDL.

Technical Reference: IS 1121(Part 1) -1974 (R.A on 1998)

Table 1.1 :

SL No	Details of Tests	Observed Value	Normal Values
01	Compressive Strength	1425.00 Kg/ Sqcm	Not less than 1000.00 Kg/Sqcm
02	Water absorption, %	0.43 %	Not more than 2.0 %

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NC/QC/PD/MW-01/2017-18/IG-SSM2

Date: 28-11-2017

1. TESTING OF STONE SAMPLE :

Sub: Testing of Size stone.

{Project*: Construction of building for Indoor games at Sy No.33 in Mallasandra Ward No.13.}

Ref.: Material testing/PMC/17-18,

Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Technical Manager, KRIDL.

Technical Reference: IS 1121(Part 1) -1974 (R.A on 1998)

Table 1.1 :

SL No	Details of Tests	Observed Value	Normal Values
01	Compressive Strength	1432.00 Kg/ Sqcm	Not less than 1000.00 Kg/Sqcm
02	Water absorption,%	0.46 %	Not more than 2.0 %

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NC/QC/PD/MW-01/2017-18/IG-SSM3

Date: 01-12-2017

1. TESTING OF STONE SAMPLE :

Sub: Testing of Size stone.

{Project*: Construction of building for Indoor games at Sy No.33 in Mallasandra Ward No.13.}

Ref.: Material testing/PMC/17-18,

Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Technical Manager, KRIDL.

Technical Reference: IS 1121(Part 1) -1974 (R.A on 1998)

Table 1.1 :

SL No	Details of Tests	Observed Value	Normal Values
01	Compressive Strength	1401.00 Kg/ Sqcm	Not less than 1000.00 Kg/Sqcm
02	Water absorption, %	0.49 %	Not more than 2.0 %

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NC/QC/PD/MW-01/2017-18/IG-C2

Date: 05-12-2017

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).

{Project*: Construction of building for Indoor games at Sy No.33 in Mallasandra Ward No.13.}

Ref.: Material testing/PMC/17-18,

Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Technical Manager, KRIDL.

PHYSICAL TESTS ON CEMENT

Brand : Priya
Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	162 min	Shall not be less than 30 min
2	Final setting time	253 min	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	2.36 %	Not to exceed 10.0%
4	Soundness test (by Le-Chatelier's method)	2.65 mm	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	28.35 N/Sq mm	Shall not be less than 27 N/Sqmm

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NC/QC/PD/MW-01/2017-18/IG-FA1

Date: 05-12-2017

1. TESTING OF FINE AGGREGATES :

Sub: Testing of Fine Aggregates.

{Project*: Construction of building for Indoor games at Sy No.33 in Mallasandra Ward No.13.}

Ref.: Material testing/PMC/17-18,

Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Technical Manager, KRIDL.

TABLE - 1.1 : SIEVE ANALYSIS :

TEST - II : SIEVE ANALYSIS					
IS Sieve Size,mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002)			Remarks
		Percentage Passing			
		Zone-I	Zone-II	Zone -II	
04.75	96.45	90-100	90-100	90-100	The Sample Conforms to Grading Zone-II
02.36	87.83	60-95	75-100	85-100	
01.18	60.40	30-70	55-90	75-100	
600. mic	42.85	15.34	35-59	60-79	
300.mic	15.66	5-20	8-30	12-40	
150.mic	7.22	0-10	0-10	0-10	

TABLE 1.2 :

Sl No	Test Conducted	Sample	Results	Requirements as Per IS. Specification IS :383-1970 (Reaffirmed 2002)
1	Bulking of Sand	001	16.30 %	-----
2	Silt Content	----	0.78 %	Not more than 8%
3	Specific Gravity	----	2.61	-----

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NC/QC/PD/MW-01/2017-18/IG-CA1

Date: 05-12-2017

1. TESTING OF COARSE AGGREGATES (20 mm):

Sub: Testing of Construction Materials.

{Project*: Construction of building for Indoor games at Sy No.33 in Mallasandra Ward No.13.}

Ref.: Material testing/PMC/17-18,

Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Technical Manager, KRIDL.

Table - 1.1 : SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2002)	
		% Passing	
	20 mm Sample	Single size	Graded
40 mm	100.00	100.00	100.00
20 mm	96.30	85-100	90 - 100
10 mm	38.50	0 - 20	25 - 55
4.75 mm	4.55	0 - 5	0 - 10

TABLE 1.2 :

SL No	Test conducted	Results	Requirements as per IS:383-1970 & Tests Conforms to IS 2386(Part I to IV) – 1963 (Reaffirmed on 2002)
1.	Flakiness Index	23.15 %	Not to exceed 25 %
2.	Crushing value	27.80 %	Not to exceed 45 % for concrete other than for wearing surfaces and 30% for concrete for wearing surfaces

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NC/QC/PD/MW-01/2017-18/IG-S1

Date: 05-12-2017

1. TEST REPORT ON REINFORCEMENT STEEL:

Sub: Testing of Reinforcement Steel of diameter 8, 12, 16 & 20 mm TMT Steel.

{Project*: Construction of building for Indoor games at Sy No.33 in Mallasandra Ward No.13.}

Ref.: Material testing/PMC/17-18,

Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Technical Manager, KRIDL.

TABLE - 1

SL No	Details	For 08 mm		For 12 mm	
		Test Results	Min Req. as per IS 1786-2008	Test Results	Min Req as per IS 1786-2008
01	Observed diameter of bar	8.0mm	8.0mm	12.0mm	12.0mm
02	Observed Wt/m Length Kg/m	0.410	0.363	0.878	0.834
03	Proof stress/Yield stress, f_y , N/mm ²	573.0	500.0	595.0	500.0
04	Bend/ Re bend Test	Ok	---	Ok	---
05	Percentage of Elongation, %	18.95	12.00	21.10	12.00
06	Ultimate Tensile Strength N/mm ²	653.0	545.0	683.0	545.0

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Date: 05-12-2017

TABLE - 1

SL No	Details	For 16 mm		For 20 mm	
		Test Results	Min Req as per IS 1786-2008	Test Results	Min Req as per IS 1786-2008
01	Observed diameter of bar	16.0 mm	16.0 mm	20.0mm	20.0mm
02	Observed Wt/m Length Kg/m	1.584	1.483	2.470	2.366
03	Proof stress/Yield stress, f_y , N/mm ²	562.0	500.0	556.0	500.0
04	Bend/ Re bend Test	Ok	---	Ok	---
05	Percentage of Elongation, %	19.30	12.00	20.70	12.00
06	Ultimate Tensile Strength N/mm ²	642.0	545.0	625.0	545.0

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NC/QC/PD/MW-01/2017-18/IG-CB1

Date: 15-12-2017

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).

{Project*: Construction of building for Indoor games at Sy No.33 in Mallasandra Ward No.13.}

Ref.: Material testing/PMC/17-18,

Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Technical Manager, KRIDL.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M₂₅

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	08-12-17	15-12-17	07	22500	430	19.11	19.19
	002	"	"	"	"	440	19.56	
	003	"	"	"	"	425	18.89	

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For Newzen Consultants Bangalore

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NC/QC/PD/MW-01/2017-18/IG-CB2

Date: 19-12-2017

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).

{Project*: Construction of building for Indoor games at Sy No.33 in Mallasandra Ward No.13.}

Ref.: Material testing/PMC/17-18,

Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Technical Manager, KRIDL.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M₂₅

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	12-12-17	19-12-17	07	22500	405	18.00	18.37
	002	"	"	"	"	425	18.89	
	003	"	"	"	"	410	18.22	

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For Newzen Consultants Bangalore

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NC/QC/PD/MW-01/2017-18/IG-CB3

Date: 23-12-2017

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).

{Project*: Construction of building for Indoor games at Sy No.33 in Mallasandra Ward No.13.}

Ref.: Material testing/PMC/17-18,

Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Technical Manager, KRIDL.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M₂₅

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	16-12-17	23-12-17	07	22500	440	19.56	19.04
	002	"	"	"	"	415	18.44	
	003	"	"	"	"	430	19.11	

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For Newzen Consultants Bangalore

Proprietor



NC/QC/PD/MW-01/2017-18/IG-CB4

Date: 26-12-2017

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).

{Project*: Construction of building for Indoor games at Sy No.33 in Mallasandra Ward No.13.}

Ref.: Material testing/PMC/17-18,

Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Technical Manager, KRIDL.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M₂₅

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	19-12-17	26-12-17	07	22500	425	18.89	19.26
	002	"	"	"	"	445	19.78	
	003	"	"	"	"	430	19.11	

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For Newzen Consultants Bangalore

Proprietor



NC/QC/PD/MW-01/2017-18/IG-CB5

Date: 30-12-2017

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).

{Project*: Construction of building for Indoor games at Sy No.33 in Mallasandra Ward No.13.}

Ref.: Material testing/PMC/17-18,

Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Technical Manager, KRIDL.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M₂₅

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	23-12-17	30-12-17	07	22500	435	19.33	18.89
	002	"	"	"	"	410	18.22	
	003	"	"	"	"	430	19.11	

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For Newzen Consultants Bangalore

Proprietor



NC/QC/PD/MW-01/2017-18/IG-CB1a

Date: 05-01-2018

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).

{Project*: Construction of building for Indoor games at Sy No.33 in Mallasandra Ward No.13.}

Ref.: Material testing/PMC/17-18,

Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Technical Manager, KRIDL.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M₂₅

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	08-12-17	05-01-18	28	22500	600	26.67	26.96
	002	"	"	"	"	615	27.33	
	003	"	"	"	"	605	26.89	

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For Newzen Consultants Bangalore

Proprietor



NC/QC/PD/MW-01/2017-18/IG-CB2a

Date: 09-01-2018

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).

{Project*: Construction of building for Indoor games at Sy No.33 in Mallasandra Ward No.13.}

Ref.: Material testing/PMC/17-18,

Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Technical Manager, KRIDL.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M₂₅

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	12-12-17	09-01-18	28	22500	620	27.56	27.63
	002	"	"	"	"	615	27.33	
	003	"	"	"	"	630	28.00	

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For Newzen Consultants Bangalore

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NC/QC/PD/MW-01/2017-18/IG-CB3a

Date: 13-01-2018

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).

{Project*: Construction of building for Indoor games at Sy No.33 in Mallasandra Ward No.13.}

Ref.: Material testing/PMC/17-18,

Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Technical Manager, KRIDL.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M₂₅

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	16-12-17	13-01-18	28	22500	625	27.78	27.93
	002	"	"	"	"	640	28.44	
	003	"	"	"	"	620	27.56	

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For Newzen Consultants Bangalore

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NC/QC/PD/MW-01/2017-18/IG-CB4a

Date: 16-01-2018

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).

{Project*: Construction of building for Indoor games at Sy No.33 in Mallasandra Ward No.13.}

Ref.: Material testing/PMC/17-18,

Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Technical Manager, KRIDL.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M₂₅

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
I	001	19-12-17	16-01-18	28	22500	620	27.56	27.70
	002	"	"	"	"	615	27.33	
	003	"	"	"	"	635	28.22	

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For Newzen Consultants Bangalore

Proprietor



NC/QC/PD/MW-01/2017-18/IG-CB5a

Date: 20-01-2018

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).

{Project*: Construction of building for Indoor games at Sy No.33 in Mallasandra Ward No.13.}

Ref.: Material testing/PMC/17-18,

Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Technical Manager, KRIDL.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M₂₅

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	23-12-17	20-01-18	28	22500	600	26.67	27.56
	002	"	"	"	"	635	28.22	
	003	"	"	"	"	625	27.78	

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